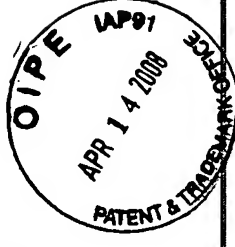


Molecular characterization of DB-81

VH EMBL Accession#: AM944499



Result summary:	Productive IGH rearranged sequence (no stop codon and in frame junction)		
V-GENE and allele	<u>IGHV1-39*01</u>	score = 1219	identity = 91,67% (264/288 nt)
J-GENE and allele	<u>IGHJ3*01</u>	score = 163	identity = 82,98% (39/47 nt)
D-GENE and allele by IMGT/JunctionAnalysis	<u>IGHD2-2*01</u>	D-REGION is in reading frame 3	
[CDR1-IMGT.CDR2-IMGT.CDR3-IMGT] lengths and AA JUNCTION	[8.8.12]	CAREGDYGHFPFAYW	

VK EMBL Accession#: AM944500

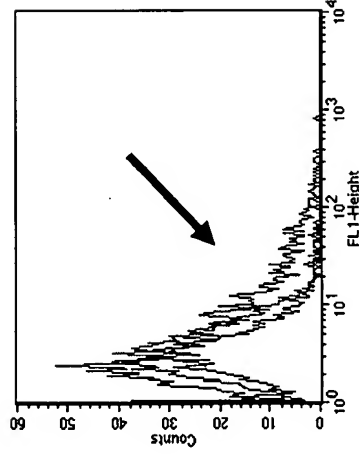
Result summary:	Productive IGK rearranged sequence (no stop codon and in frame junction)		
V-GENE and allele	<u>IGKV6-17*01</u>	score = 1336	identity = 97,85% (273/279 nt)
J-GENE and allele	<u>IGKJ2*01 (b)</u>	score = 134	identity = 88,24% (30/34 nt)
[CDR1-IMGT.CDR2-IMGT.CDR3-IMGT] lengths and AA JUNCTION	[6.3.9]	CQQHYSTPPTF	

(b) Other possibilities: IGHV1*01 and IGHV1*02 (highest number of consecutive identical nucleotides)

Figure 1

Membrane expression of the DB81 CD4 epitope

Ba-L transfected RK13 cells
(+/-2D-sCD4)



uninfected PM1 cells
+/- gp120 IIB +/- gp120 Ba-L

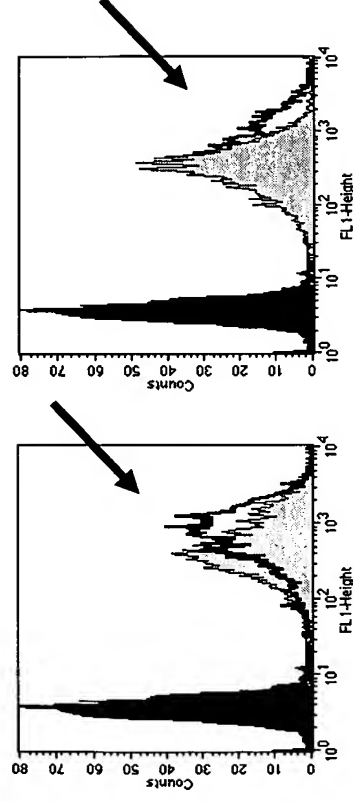


Figure 2

DB81 monoclonal adsorbed on BIACORE® sensorchip

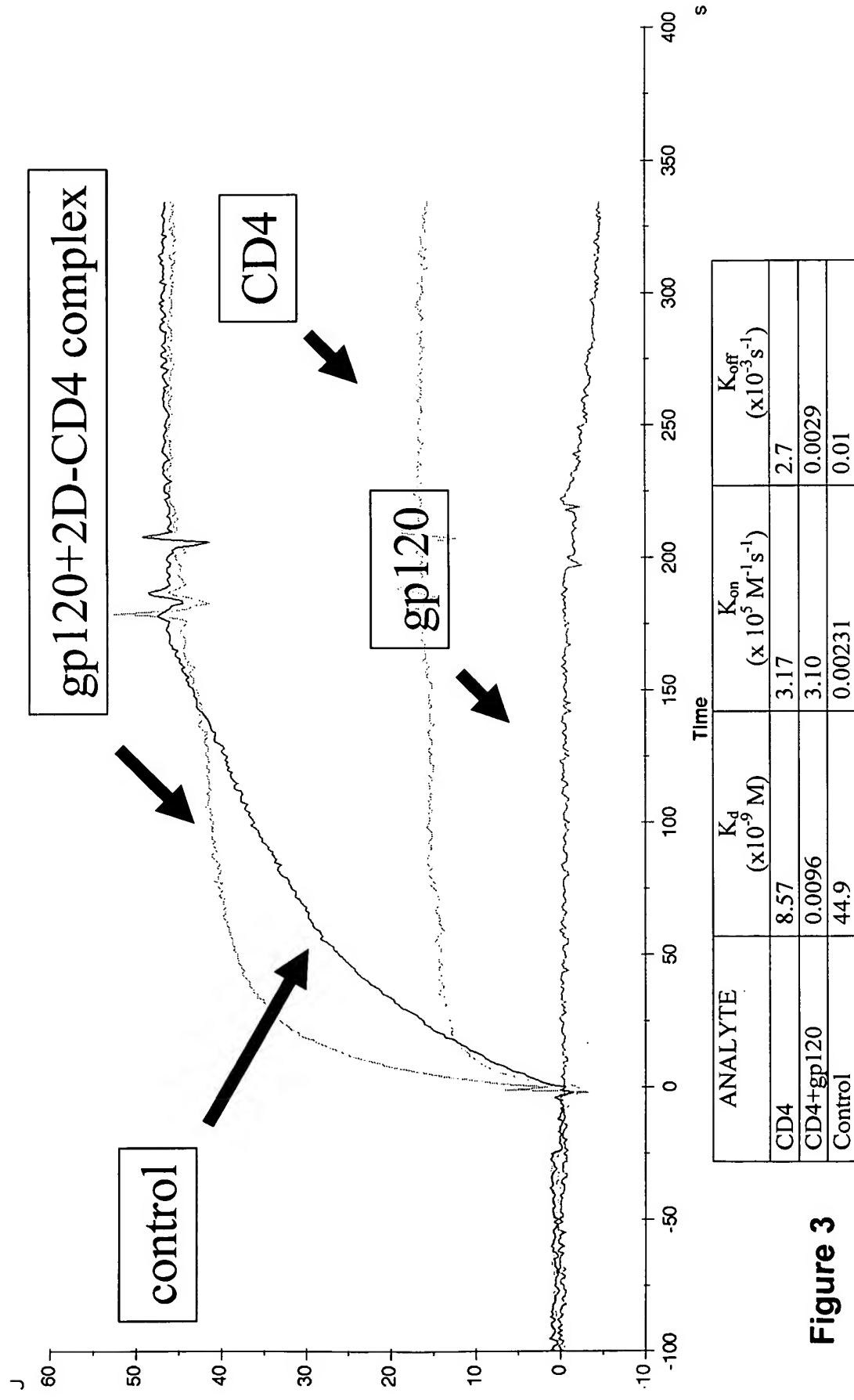
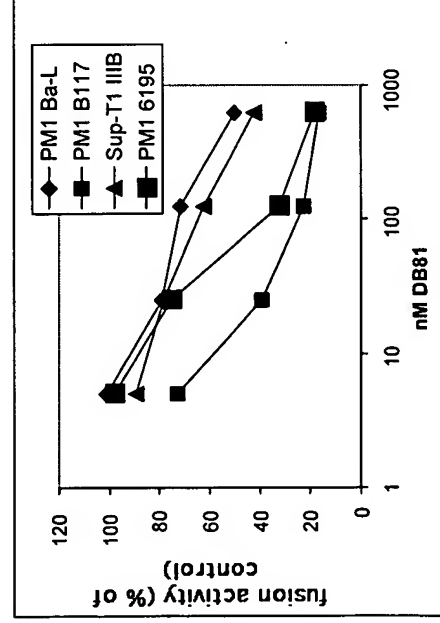


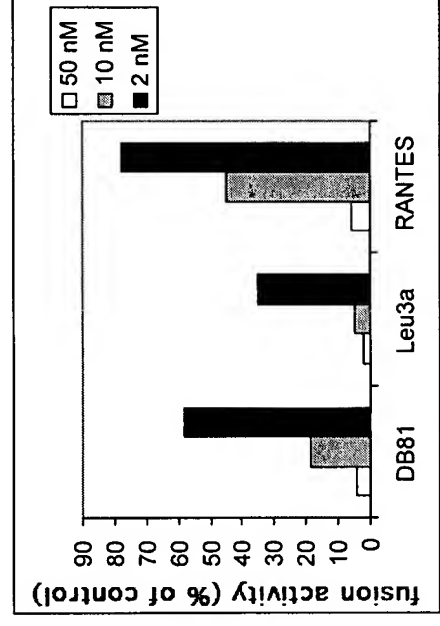
Figure 3

DB81 inhibition of cell fusion

A



B



C

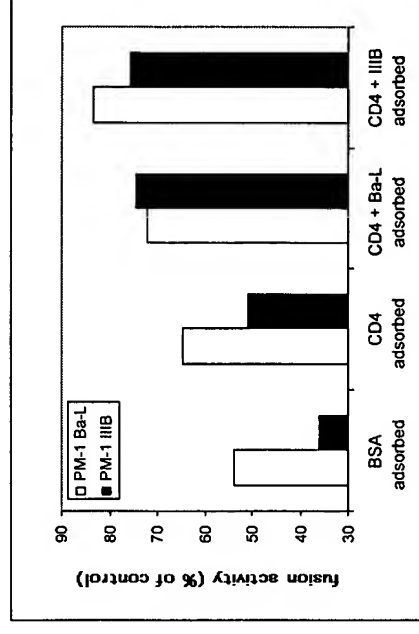


Figure 4

Inhibition of PBMC proliferation by DB81

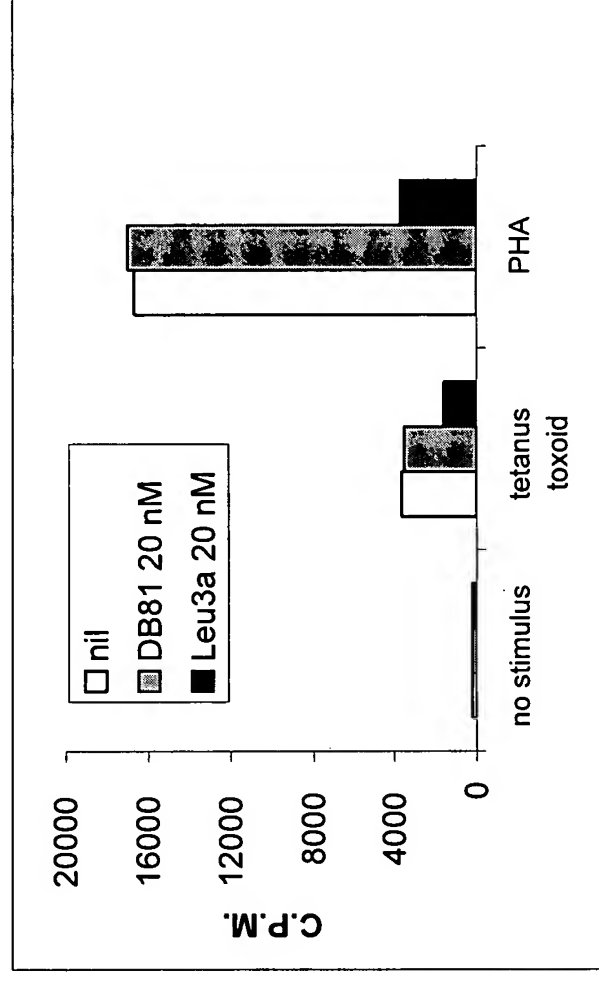


Figure 5

Complement fixation by the DB81 mAb

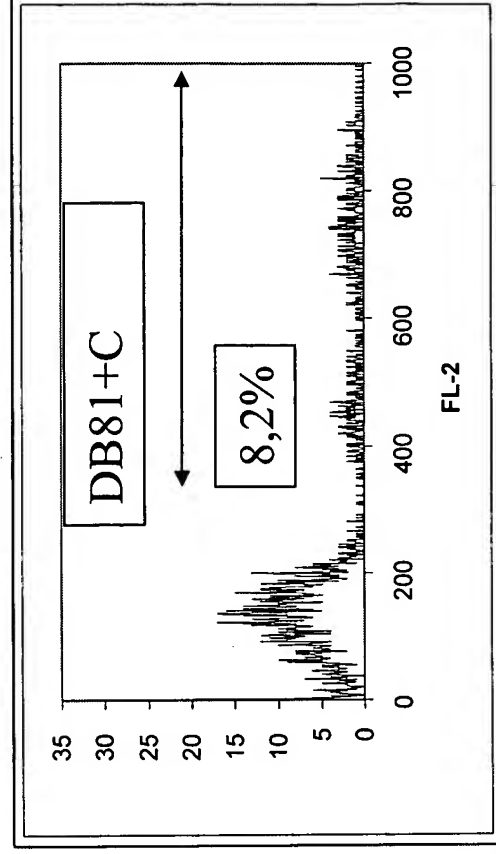
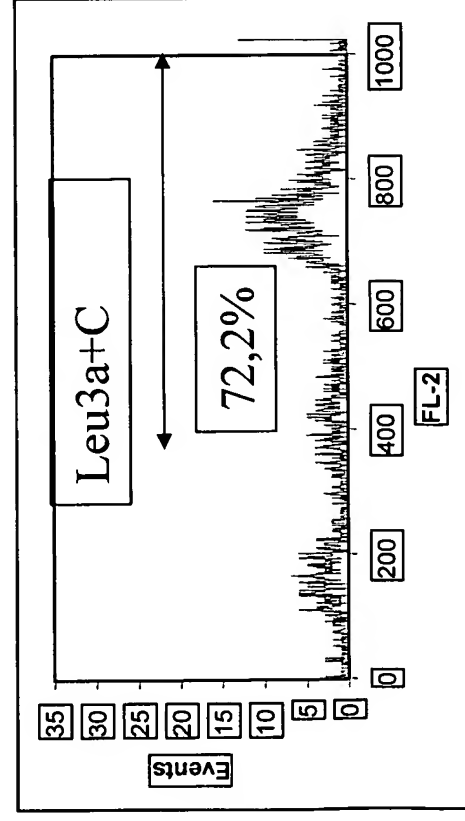
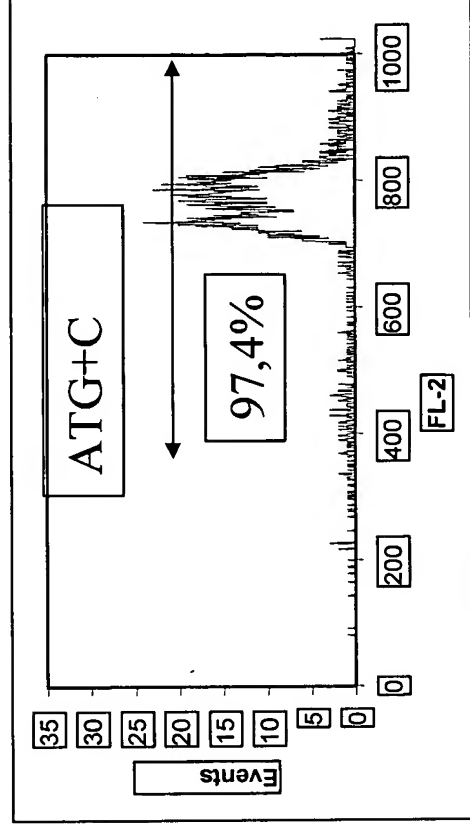
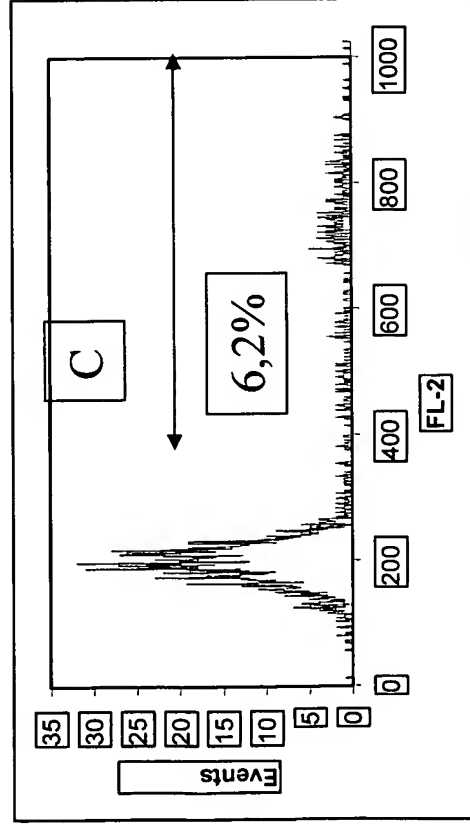


Figure 6